

Project Description

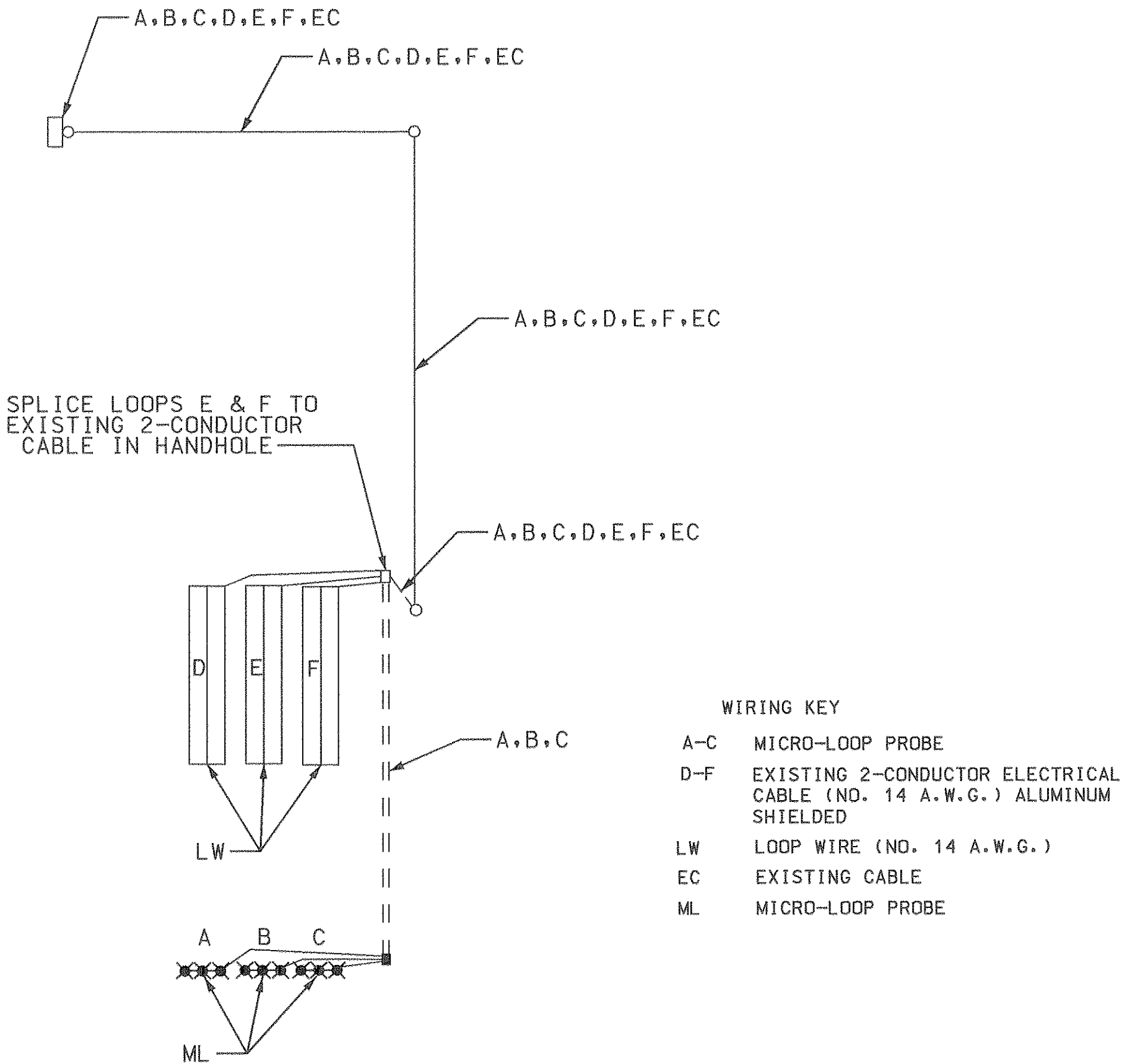
This project involves the modification of the existing traffic signal at the intersection MD 710 and Chesapeake Center Dr./ Arundel Corp. Road in Anne Arundel county. MD 710 is assumed to run in an East-West direction. This work is necessitated by geometric improvements and will involve the replacement of Northbound Chesapeake Center Dr.

Controller Operation

The existing eight-phase fully actuated NEMA controller will be used. The controller operates as a six phase full-traffic-actuated controller with exclusive-permissive left turn phases for MD 710 and Chesapeake Center Dr./ Arondel Corp. Rd. approaches operating as split phases. Install one-four channel loop detector amplifier.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR		
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5003	450 LF	FURNISH AND INSTALL 12 IN. HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING
5004	40 LF	FURNISH AND INSTALL 24 IN. HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING
5005	8 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING LETTER
5006	2 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING LT. ARROW
5006	2 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING RT. ARROW
5006	2 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING LT./THRU ARROW
5007	450 LF	REMOVE EXISTING PAVEMENT MARKING
8021	390 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	30 LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8040	1350 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8024	100 LF	FURNISH AND 2 IN. SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8033	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8016	2 EA	FURNISH AND INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
----	1 EA	FURNISH AND INSTALL FOUR CHANNEL TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
----	1 EA	FURNISH AND INSTALL R3-6 SIGN (30 IN. X 36 IN.) - SPAN MOUNT
----	1 EA	FURNISH AND INSTALL R3-5R SIGN (30 IN. X 36 IN.) - SPAN MOUNT
----	1 EA	REMOVE EXISTING SIGN

WIRING DIAGRAM



CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS

MR. PAUL ARMSTRONG
DISTRICT ENGINEER
410-841-1001

MR. LARRY ELLIOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-841-1003

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-841-1005

MR. CHARLES GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-841-1002

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY


MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7676

MR. DAVE SCHWARTZ
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

REVISIONS		APPROVALS		<div> MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET MD 710 AND CHESAPEAKE CTR. DR./ ARUNDEL CORP. ROAD</div>		TS NO. 3170C		SHEET NO.			
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION				DRAWN BY: T.M.Z		F.A.P. NO.			
		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION				CHECKED BY: K.W.S		S.H.A. NO.			
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION				SCALE: NONE		COUNTY: ANNE ARUNDEL		T.I.M.S. NO.	
		DIRECTOR, TRAFFIC & SAFETY		DATE: 1-5-00		LOG MILE: 02071000.25				2 OF 2	